

Claims

[c1] What is claimed is:

1.A back light apparatus, comprising:

a frame which has a container with a reflection layer in a inner surface;

a light source module which is placed inside said container;

a diffuser which is placed upon said light source module;

at least one elastic device placed inside said container, which has one end fixed on a bottom of said container and the other end supporting said diffuser.

[c2] 2. The back light apparatus according to claim 1, wherein said elastic device is transparent material.

[c3] 3.The back light apparatus according to claim 1, wherein said elastic device is reflection material.

[c4] 4.The back light apparatus according to claim 1, wherein said elastic device is spring.

[c5] 5.The back light apparatus according to claim 1, wherein said elastic device is elastic piece.

[c6] 6. The back light apparatus according to claim 1,

wherein said elastic device is plastic device.

[c7] 7. The back light apparatus according to claim 1, wherein said elastic device has a protrusion on the top.

[c8] 8. The back light apparatus according to claim 7, wherein said protrusion could be high reflection material.

[c9] 9. The back light apparatus according to claim 7, wherein said protrusion could be transparent material.

[c10] 10. The back light apparatus according to claim 7, wherein said protrusion could be elastic material.

[c11] 11. The back light apparatus according to claim 7, wherein said protrusion could be a cone.

[c12] 12. The back light apparatus according to claim 1, wherein said container has a fixing base on the bottom, said elastic device placed inside said fixing base whose surface has a reflection layer.

[c13] 13. The back light apparatus according to claim 12, wherein said fixing base has an opening whose size is smaller than the diameter of said elastic device, said elastic device having a protrusion on the top, the bottom of said protrusion having a flange mounted inside said fixing base.

- [c14] 14. The back light apparatus according to claim 1, wherein said container further comprises a cavity on the bottom, said elastic device being placed inside said cavity.
- [c15] 15. The back light apparatus according to claim 14, wherein said cavity has an opening whose size is smaller than the diameter of said elastic device, said elastic device having a protrusion on the top, the bottom of said protrusion having a flange mounted inside said cavity.
- [c16] 16. The back light apparatus according to claim 1, wherein said elastic device keeps a space with said diffuser.